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(71) Applicant: MITSUBISHI KAKOKI KAISHA LTD

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(72) Inventor: IIJIMA TETSUO

(54) SHUTDOWN METHOD FOR CENTRIFUGAL
SEPARATING MACHINE

shutdown.

(57) Abstract:

PURPOSE: To stably stop a centrifugal filter machine with extremely simple equipment without generating impact by introducing a prescribed amt. of liquid into a casing after stop of power supply to a driving machine and braking the rotation of a rotary basket by friction force of the liquid and the rotary basket.

CONSTITUTION: The power supply of a motor 19 for driving is first stopped if the rotary basket requires an emergency shutdown by, for example, abnormal vibration. A solenoid valve 14 of a filtrate outlet 13 is closed and the braking liquid, such as water, is introduced into the casing 11 by opening a solenoid valve 16. The rotary basket 3 is braked by the friction force based on the viscosity of the braking liquid by introduction of the braking liquid, by which the number of revolutions thereof is remarkably decreased. As a result, the abnormal vibration is eliminated and momentary danger is averted. The rotary basket 3 requires, thereafter, substantial time for complete stopping for its inertia force and, therefore, a disk brake 18 is actuated in case of a need for the emergency

